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PTO/SB/08a (08-03) Please type a plus sign (+) Inside this box Approved for use through 07/31/2008. OMB 0851-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE no persons are required to respond to a collection of information unless it displays a valid OMB control number. nwork Reduction Act 10/074,947 JNT 0.6 2004 🕏 Application Number Substitute for form 1449A/PTO February 12, 2002 Filing Date INFORMATION DISCLA First Named Inventor Jorg E. Schulze-Beckinghausen STATEMENT BY APPLIC **Group Art Unit** 8872 3727 James G. Smith **Examiner Name** (Use as many sheets as necessary) WEAT/0214 Attorney Docket Number

**Submission Date** 

of 1

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Sheet

-			U.S. PATENT	DOCUMENTS	
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No.¹	Number-Kind Code <sup>2 (f known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
194	A1	US-6,374,706	04-23-2002	Newman	RECEIVED
71	A2	US-5,245,265	09-14-1993	Clay	1 0 0004
	А3	US-RE 34,063	09-15-1992	Vincent et al.	JUL 1 3 2004
	A4	US-4,738,145	04-19-1988	Vincent et al.	<b>GROUP 3600</b>
	A5	US-4,592,125	06-03-1986	Skene	G11001 0000
	A6	US-4,280,380	07-28-1981	Eshghy	
	- A7	US-3,606,664	09-21-1971	Weiner	
	A8	US-	1		
	A9	US-			
	A10	US-	Ì		
	ATL	US-			
	A12	U.S.			Pro-
	A13	US-			TECEIVED
	A14	US-		_	RECEIVED
	A15	US-		TECHI	NOLGGY CENTER RS700
	A16	-US.			CENTER POP
	-A17	US-			3700

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Examiner Initials*	Cite	Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,		
	No.'	Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>6</sup> (if known)	MM-DD-YYYY Applicant of Cited Document		Where Relevant Passages or Relevant Figures Appear		
1	B1	DE 3523221	02-01-1987	Svetozar			
/	B2	GB 2 115 940	09-14-1983	Plaquin			
11	ВЗ	EP 0 087 373	08-31-1983	Plaquin			
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Examiner		J.G. Smith		Date Considered	5/1/05		

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

	Complete if Known
Application Number	10/074,947
Filling Date	February 12, 2002
First Named Inventor	Schulze-Beckinghausen
Art Unit	3672 3723
Examiner Name	James G. Smith
Attorney Docket Number	WEAT/0214

			U.S. PATENT D	OCUMENTS	
Examiner Initials *	Cite No.	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Data MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant
110	Al	2,566,651	09/04/1951	Edelberg	Figures Appear
	A2	3,902,385	09/02/1975	Haby	
1	A3	3.941.348	03/12/1976	Mott	
<del>                                      </del>	A4	4,023,449	05/17/1977	Boyadjieff	<del>-</del>
<del>                                     </del>	A5	4,202,225	05/13/1980	Sheldon, et al	
<del></del>	A6	4,215,602	08/04/1951	Carstensen, et al	
<del> </del>	A7	4.403.666	09/13/1983	Willis	
1	A8	4,572,036	02/25/1986	Renfro	
<del>                                     </del>	A9	4,648,292	03/10/1987	Haynes, et al	
<del></del>	A10	4,732,373	03/22/1988	Yang	
<del></del>	All	4.821.814	04/18/1989	Willis, et al	
<del>                                      </del>	A12	4.895,056	01/23/1990	Schulze-Bechinghausen	
<del></del>	A12	4,969,638	11/13/1990	Yang Yang	
	A14		10/08/1991		
<del>  -</del>		5,054,440		Hodge	
$\vdash$	A15	5,172,613	12/22/1992	Wesch, Jr.	
$\vdash$	A16	5,667,026	09/16/1997	Lorenz, et al	
$\vdash$	A17	5,996,444	12/07/1999	Pearce, et al	
	A18	6,047,775	04/11/2000	Mock	
	A19	6,116,118	09/2000	Wesch, Jr.	
	A20	6,142,041	11/07/2000	Buck	
	A21	6,253,845	07/03/2001	Belik	
	A22	6,276,238	08/21/2001	Junck, et al	
	A23	6,315,051	11/2001	Ayling	
	A24	US- 2002/0157823 A1	10/31/2002	Schulze-Bechinghausen	
	A25	US- 2003/0075023 A1	04/23/2003	Robichaux	
	A26	US-2004-0237726 A1	12/02/2004	Schulze-Bechinghausen, et al	

Examiner Signature	J6	Smith	Date Considered	5/	1/05	
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Sheet 2 of 3

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for form 144	BA/PTO	TABLE		Complete if Known	
			Application Number	10/074,947	
RMATION DISCLOSURE		Filing Date	February 12, 2002		
<b>EMEN</b>	T BY A	PPLICANT	First Named Inventor	Schulze-Beckinghausen	
			Art Unit	3572 3723	
(Use as ma	ny sheets as	necessary)	Examiner Name	James G. Smith	
2	of	3	Attorney Docket Number	WEAT/0214	

		FOREIGN PA	TENT DOCU	MENTS		
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines, Where Relevant	-
Initials*	No. <sup>1</sup>	Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>6</sup> (if known)	Date MM-DD-YYYY	Passages or Relevant	۳°	
The state of the s	B1	GB 804,798	11/26/1958	Joy Mfg. Co.		
T	B2	GB 1 215 967	12/16/1970	Jackson		
	B3	GB 2 049 518	12/31/1980	Mooney		
	B4	EP 0 285 386	10/05/1988	Haney		
	B5	EP 0 311 455	04/12/1989	Haney		
	B6	EP 0 339 005	10/25/1989	Vatne Per		
	B7	EP 0 423 055	04/17/1991	Moses		
	B8	EP 0 525 247	02/03/1993	Willis		
	В9	WO 00/045027	08/03/2000	Schulze- Beckinghausen, et al		
	B10	WO 00/74899	12/14/2000	Myklebust	-	
	B11	GB 2 352 667	02/07/2001	Pietras, et al		
	B12	WO 01/66905 A2	09/13/2001	Robichaux		
$\sqcap$	B13	WO 01/81047	11/01/2001	Castille		

Examiner Signature 56 Sm 1774 Date Considered 5/11/65	
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Attorney Docket Number

Substitute for form 1449A/PTO Complete if Known 10/074,947 Application Number INFORMATION DISCLOSURE February 12, 2002 Filing Date STATEMENT BY APPLICANT First Named Inventor Schulze-Beckinghausen フフィ子 Art Unit (Use as many sheets as necessary) James G. Smith Examiner Name

			NON PATENT LITERATURE DOCUMENTS	
	Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	K	Cı	PCT International Search Report dated June 28, 2000 for International Application Serial No. PCT/GB00/01246	
0	11	C2	International Search Report, International Application No. PCT/GB01/00781, dated September 27, 2001	
	A	СЗ	PCT Search Report, International Application No. PCT/US2004/006753, dated September 8,2004	
4	1/1/	C4	U.S. Search Report, Application No. GB/0422176.8 dated January 5, 2005	
		C5	U.S. Application Serial No. 10/681,570; Pietras, et al; October 8, 2003; Tong Assembly	
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<sup>1</sup> Applicant's unique citation designation number (optional).

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Date

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is attached.

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